

ABSTRACT

This invention relates to a breakthrough method for pre-sensitizing cancer prior to a therapeutic treatment such as chemotherapy, radiation therapy or immuno-therapy and a novel cytokine mixture used in the method thereof. The cytokine mixture is a serum-free and mitogen-free mixture comprised of specific ratios of cytokines such as IL-1 β , TNF- α , IFN- γ and GM-CSF to Interleukin 2 (IL-2), which is effective in inducing cancerous cells to enter a proliferative cell cycle phase thereby increasing their vulnerability to chemotherapy, radiation therapy and immuno-therapy. One such novel cytokine mixture is Multikine®, which can be used alone or in combination with other drugs for the treatment of cancer thereby increasing the success of cancer treatment and the disease free survival of cancer patients.